

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	04/12/2019 04/12/2019	Luz Dial

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0150_01_s_2013_4				
Comment Code					
Inspector Comment					
This LMA has the updated O&M manuals for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0150_01_s_2013_5				
Comment Code					
Inspector Comment					
This LMA has adequate amount of flood fighting materials in a centralized location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0150_01_s_2013_6				
Comment Code					
Inspector Comment					
The crew of this LMA had flood fighting training from DWR.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	04/12/2019 04/12/2019	Luz Dial

LM Start	0.01	Rating **	M	Issue No.	1
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332510 °	38.332318 °
				-121.583302 °	-121.582227 °
DWR ID	DWR_RD0150_01_s_2019_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_15_1_20190415_00001.jpg



View of tall landside vegetation. Spring 2019

LM Start	0.01	Rating **	M	Issue No.	2
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332510 °	38.332313 °
				-121.583302 °	-121.582208 °
DWR ID	DWR_RD0150_01_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_15_2_20190415_00002.jpg



View of tall waterside vegetation. Spring 2019

LM Start	0.31	Rating **	M	Issue No.	7
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.330048 °	38.329885 °
				-121.579018 °	-121.578865 °
DWR ID	DWR_RD0150_01_s_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Sutter Slough	Left	0.52	04/12/2019 04/12/2019	Luz Dial

LM Start	0.39	Rating **	M	Issue No.	8
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.329203 °	38.329203 °
				-121.577997 °	-121.577997 °
DWR ID	DWR_RD0150_01_s_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	M	Issue No.	9
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.328570 °	38.328570 °
				-121.577133 °	-121.577133 °
DWR ID	DWR_RD0150_01_s_2019_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.49	Rating **	A/W	Issue No.	3
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.328242 °	38.328242 °
				-121.576573 °	-121.576573 °
DWR ID	DWR_RD0150_01_f_2018_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes could not be seen due to vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.05	Rating **	M	Issue No.	100
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.328730 °	38.329060 °
				-121.575702 °	-121.575433 °
DWR ID	DWR_RD0150_02_s_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	A/W	Issue No.	46
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.329369 °	38.329767 °
				-121.574936 °	-121.574589 °
DWR ID	DWR_RD0150_02_f _ 2017_46				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: The flood damage consists of a waterside erosion approximately 185 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.					
Site ID No:286					
Site Designation:LMA-112					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date:7/17/2017					
Notes: Crown is a paved road. Scarps up to 3 ft deep, not fully vertical though. Area of concern because erosion is not very deep into prism.					
2019 Spring DWR Inspection: Erosion was not visible due to high water.					

Photo 1 of 3 : LEVAL_SP_2019_286_1942.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.11	Rating **	A/W	Issue No.	46 (cont)
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.329369 °	38.329767 °
				-121.574936 °	-121.574589 °
DWR ID	DWR_RD0150_02_f _ 2017_46				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: The flood damage consists of a waterside erosion approximately 185 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.					
Site ID No:286					
Site Designation:LMA-112					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date:7/17/2017					
Notes: Crown is a paved road. Scarps up to 3 ft deep, not fully vertical though. Area of concern because erosion is not very deep into prism.					
2019 Spring DWR Inspection: Erosion was not visible due to high water.					

LM Start	0.11	Rating **	A/W	Issue No.	46 (cont)
LM End	0.14	Issue Type +	Ma	Location *	WS

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable AWW : Acceptable but Monitor & Maintain	En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.13	Rating **	M	Issue No.	101
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.329643 °	38.329778 °	
			-121.574905 °	-121.574787 °	
DWR ID	DWR_RD0150_02_s_2019_101				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.22	Rating **	M	Issue No.	108
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.330670 °	38.330818 °	
			-121.573923 °	-121.573793 °	
DWR ID	DWR_RD0150_02_s_2019_108				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.28	Rating **	M	Issue No.	104
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.331457 °	38.331834 °	
			-121.573278 °	-121.572933 °	
DWR ID	DWR_RD0150_02_s_2018_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.32	Rating **	M	Issue No.	110
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331947 °	38.332085 °
				-121.572778 °	-121.572635 °
DWR ID	DWR_RD0150_02_s_2019_110				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.36	Rating **	M	Issue No.	112
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332425 °	38.332425 °
				-121.572343 °	-121.572343 °
DWR ID	DWR_RD0150_02_s_2019_112				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.36	Rating **	M	Issue No.	103
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.332452 °	38.332452 °
				-121.572378 °	-121.572378 °
DWR ID	DWR_RD0150_02_s_2018_103				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.38	Rating **	M	Issue No.	6
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.332598 °	38.332598 °
				-121.572179 °	-121.572179 °
DWR ID	DWR_RD0150_02_s_2012_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					



View of slope instability around stairway. Fall 2018

LM Start	0.38	Rating **	M	Issue No.	6 (cont)
LM End	0.38	Issue Type +	Ma	Location *	WS



View of slope instability on the waterside of the levee. Fall 2016

LM Start	0.54	Rating **	N	Issue No.	66
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334387 °	38.334387 °
				-121.570355 °	-121.570355 °
DWR ID	DWR_RD0150_02_f_2016_66				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.59	Rating **	M	Issue No.	45
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334898 °	38.334898 °
				-121.569632 °	-121.569632 °
DWR ID	DWR_RD0150_02_f_2018_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_16_45_20190307_00018.jpg



View of slope damage likely from vehicle traffic. Fall 2018

LM Start	0.60	Rating **	M	Issue No.	114
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.334998 °	38.334998 °
				-121.569468 °	-121.569468 °
DWR ID	DWR_RD0150_02_s_2019_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from levee slope.					

Photo 1 of 1 : SP_2019_RD0150_16_114_20190422_00131.jpg



View looking downstream at fallen tree on levee slope. Spring 2019

LM Start	0.63	Rating **	M	Issue No.	115
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.335347 °	38.335347 °
				-121.569152 °	-121.569152 °
DWR ID	DWR_RD0150_02_s_2019_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.65	Rating **	M	Issue No.	116
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.335575 °	38.336475 °
				-121.568893 °	-121.568133 °
DWR ID	DWR_RD0150_02_s_2019_116				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.71	Rating **	U	Issue No.	59
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.336291 °	38.336291 °
				-121.568260 °	-121.568260 °
DWR ID	DWR_RD0150_02_s_2016_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Damaged tree roots and trunks appear to damage landside slope of the levee and need to be removed.					

LM Start	0.71	Rating **	U	Issue No.	59 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2019_RD0150_16_59_20190307_00041.jpg



View of the tree trunk on the landside of the levee. Fall 2017

Photo 2 of 2 : SP_2019_RD0150_16_59_20190307_00042.jpg



View of the tree limbs and roots on the landside of the levee looking downstream. Fall 2016

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Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	0.79	Rating **	M	Issue No.	73
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.337307 °	38.337307 °
				-121.567698 °	-121.567698 °
DWR ID	DWR_RD0150_02_f_2017_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The dead tree needs to be removed from the levee slope.					



View of fallen tree on landside levee slope. Fall 2018

LM Start	0.82	Rating **	M	Issue No.	117
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.337590 °	38.338078 °
				-121.567038 °	-121.566425 °
DWR ID	DWR_RD0150_02_s_2019_117				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.14	Rating **	C	Issue No.	8	
LM End	1.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.340864 °		38.340864 °
				-121.562915 °		-121.562915 °
DWR ID	DWR_RD0150_02_s_2012_8					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	1.32	Rating **	M	Issue No.	118
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.342957 °	38.343113 °	
			-121.561147 °	-121.560992 °	
DWR ID	DWR_RD0150_02_s_2019_118				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	91
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.343585 °	38.343833 °	
			-121.560195 °	-121.559758 °	
DWR ID	DWR_RD0150_02_s_2019_91				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.45	Rating **	M	Issue No.	119
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.344208 °	38.346142 °	
			-121.559190 °	-121.552287 °	
DWR ID	DWR_RD0150_02_s_2019_119				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	1.75	Rating **	M	Issue No.	97
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345758 °	38.345787 °
				-121.554045 °	-121.553900 °
DWR ID	DWR_RD0150_02_s_2019_97				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.76	Rating **	M	Issue No.	96
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.345787 °	38.345787 °
				-121.553900 °	-121.553900 °
DWR ID	DWR_RD0150_02_s_2019_96				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.80	Rating **	C	Issue No.	30
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.345937 °	38.346786 °
				-121.553190 °	-121.549332 °
DWR ID	DWR_RD0150_02_f_2018_30				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable N : Not Inspected/Rated		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable C : Corrected		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable A/W : Acceptable but Monitor & Maintain		En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	2.02	Rating **	M	Issue No.	94
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.346872 °	38.346872 °
				-121.549285 °	-121.549285 °
DWR ID	DWR_RD0150_02_s_2019_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.10	Rating **	M	Issue No.	63
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.347002 °	38.347002 °
				-121.547803 °	-121.547803 °
DWR ID	DWR_RD0150_02_f_2016_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_16_63_20190307_00044.jpg



View of a tree trunk on the landside slope of the levee. Spring 2017

LM Start	2.11	Rating **	M	Issue No.	93
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347010 °	38.347047 °
				-121.547782 °	-121.547432 °
DWR ID	DWR_RD0150_02_s_2019_93				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	2.24	Rating **	M	Issue No.	120
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.347198 °	38.347305 °	
			-121.545373 °	-121.544343 °	
DWR ID	DWR_RD0150_02_s_2019_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.56	Rating **	M	Issue No.	92
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.348403 °	38.348880 °	
			-121.539657 °	-121.538728 °	
DWR ID	DWR_RD0150_02_s_2019_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.75	Rating **	M	Issue No.	121
LM End	2.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.350007 °	38.350007 °	
			-121.536947 °	-121.536947 °	
DWR ID	DWR_RD0150_02_s_2019_121				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	2.75	Rating **	N	Issue No.	14
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.350041 °	38.350041 °
				-121.536853 °	-121.536853 °
DWR ID	DWR_RD0150_02_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_16_14_20190307_00008.jpg



View of a tree stump on the landward slope.

LM Start	3.20	Rating **	M	Issue No.	122
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.354895 °	38.355230 °
				-121.531385 °	-121.531055 °
DWR ID	DWR_RD0150_02_s_2019_122				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.20	Rating **	M	Issue No.	90
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.354925 °	38.355040 °
				-121.531380 °	-121.531312 °
DWR ID	DWR_RD0150_02_s_2019_90				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	961
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 1 of 5 : SP_2019_RD0150_16_961_20190307_00066.jpg



View of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP_2019_RD0150_16_961_20190307_00067.jpg



View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 3 of 5 : SP_2019_RD0150_16_961_20190307_00068.jpg



View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : SP_2019_RD0150_16_961_20190307_00069.jpg



View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 5 of 5 : SP_2019_RD0150_16_961_20190307_00070.jpg



View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

LM Start	3.30	Rating **	M	Issue No.	17
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.355979 °	38.355979 °
				-121.530288 °	-121.530288 °
DWR ID	DWR_RD0150_02_s_2012_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry is partially blocking visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.30	Rating **	M	Issue No.	123
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.355987 °	38.356037 °	
			-121.530145 °	-121.530065 °	
DWR ID	DWR_RD0150_02_s_2019_123				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.34	Rating **	M	Issue No.	87
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.356518 °	38.356518 °	
			-121.529715 °	-121.529715 °	
DWR ID	DWR_RD0150_02_s_2019_87				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.34	Rating **	M	Issue No.	89
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.356518 °	38.356518 °	
			-121.529715 °	-121.529715 °	
DWR ID	DWR_RD0150_02_s_2019_89				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from levee shoulder.					

Photo 1 of 1 : SP_2019_RD0150_16_89_20190422_00130.jpg



View of fallen tree on levee slope. Spring 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.36	Rating **	M	Issue No.	124
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.356702 °	38.357737 °	
			-121.529503 °	-121.528188 °	
DWR ID	DWR_RD0150_02_s_2019_124				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.42	Rating **	A/W	Issue No.	47
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.357183 °	38.357631 °	
			-121.528547 °	-121.527981 °	
DWR ID	DWR_RD0150_02_f_2017_47				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: The flood damage consists of a waterside erosion approximately 229 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.</p> <p>Site ID No: 287</p> <p>Site Designation: LMA-113</p> <p>Repair Type: Erosion</p> <p>Rating: Serious</p> <p>Field Date: 7/17/2017</p> <p>Notes: Crown is a paved road. Erosion scarps up to 10 ft deep and within 5 ft of crown. Worse conditions on the DS end. Exposed filter fabric. Serious because of depth of erosion into levee, weak soil, and proximity to crown which is a high traffic public road. 2019 Spring DWR Inspection: Erosion was not visible. Slope appears to be intact to at least 5-10' from levee shoulder.</p>					

Photo 1 of 3 : LEVAL_SP_2019_287_2143.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.42	Rating **	A/W	Issue No.	47 (cont)	
LM End	3.46	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.357183 °		38.357631 °
				-121.528547 °		-121.527981 °
DWR ID	DWR_RD0150_02_f_2017_47					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The flood damage consists of a waterside erosion approximately 229 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.						
Site ID No:287						
Site Designation:LMA-113						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Crown is a paved road. Erosion scarps upto 10 ft deep and within 5 ft of crown. Worse conditions on the DS end. Exposed filter fabric. Serious because of depth of erosion into levee, weak soil, and proximity to crown which is a high traffic public road. 2019 Spring DWR Inspection: Erosion was not visible. Slope appears to be intact to at least 5-10' from levee shoulder.						

Photo 2 of 3 : LEVAL_SP_2019_287_2146.jpg



LM Start	3.42	Rating **	A/W	Issue No.	47 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2019_287_2149.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	3.54	Rating **	M	Issue No.	125
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358527 °	38.358898 °
				-121.527165 °	-121.526710 °
DWR ID	DWR_RD0150_02_s_2019_125				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.68	Rating **	M	Issue No.	84
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.359815 °	38.359815 °
				-121.525242 °	-121.525242 °
DWR ID	DWR_RD0150_02_s_2019_84				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.27	Rating **	M	Issue No.	107
LM End	4.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.367507 °	38.367507 °
				-121.522493 °	-121.522493 °
DWR ID	DWR_RD0150_02_s_2018_107				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on waterside slope.					

Photo 1 of 1 : SP_2019_RD0150_16_107_20190307_00063.jpg



View of fallen tree on waterside looking northeast. Spring 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	4.50	Rating **	U	Issue No.	38
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.370928 °	38.371909 °
				-121.523069 °	-121.523316 °
DWR ID	DWR_RD0150_02_s_2019_38				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 38.5 R Status: Critical 2017 Field Notes: New erosion pocket. Vertical section along lower bank, and cracking. Upgraded to critical. Site History: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013 - Tree at upstream end has exposed roots. Some new erosion. 2019 Spring DWR Inspection: Erosion and the tree with exposed roots was not visible due to high water.					

Photo 1 of 1 : SP_2019_RD0150_16_38_20190422_00132.jpg



View looking downstream at 2017 USACE Erosion Survey site. Spring 2019

LM Start	4.65	Rating **	M	Issue No.	81
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.372870 °	38.372870 °
				-121.524008 °	-121.524008 °
DWR ID	DWR_RD0150_02_s_2019_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	4.67	Rating **	M	Issue No.	78
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.373152 °	38.373358 °
				-121.524110 °	-121.524172 °
DWR ID	DWR_RD0150_02_s_2019_78				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.69	Rating **	M	Issue No.	28
LM End	4.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373485 °	38.373485 °
				-121.523963 °	-121.523963 °
DWR ID	DWR_RD0150_02_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_16_28_20190307_00012.jpg



View of century plant on waterward slope.

LM Start	5.02	Rating **	M	Issue No.	77
LM End	5.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.378160 °	38.378160 °
				-121.525508 °	-121.525508 °
DWR ID	DWR_RD0150_02_s_2019_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	5.04	Rating **	A/W	Issue No.	50 (cont)	
LM End	5.12	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.378311 °		38.379458 °
				-121.525317 °		-121.524931 °
DWR ID	DWR_RD0150_02_f_2017_50					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The flood damage consists of a waterside erosion approximately 447 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.						
Site ID No:288						
Site Designation:LMA-114						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes: Crown is a paved road. Much of site was not accessible because of thorny veg. Scarps were only about 1 ft deep where it was accessible so rated it a lower priority. Irrigation pipe within the site. A boat view would be helpful here. Fall 2018 DWR Inspector: Erosion along bank not visible from levee crown. Spring 2019 DWR Inspector: Slope appears to remain intact for at least 10' that is visible from the levee shoulder (portion without vegetation).						

Photo 3 of 4 : LEVAL_SP_2019_288_2156.jpg



LM Start	5.04	Rating **	A/W	Issue No.	50 (cont)
LM End	5.12	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : LEVAL_SP_2019_288_2157.jpg



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	5.22	Rating **	M	Issue No.	72
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.380803 °	38.380803 °
				-121.524407 °	-121.524407 °
DWR ID	DWR_RD0150_02_s_2019_72				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.24	Rating **	C	Issue No.	975
LM End	5.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.381126 °	38.381126 °
				-121.524207 °	-121.524207 °
DWR ID	DWR_RD0150_02_s_2013_975				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Some riprap has been placed around irrigation pipe.					

No Photos

LM Start	5.29	Rating **	M	Issue No.	109
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.381660 °	38.381660 °
				-121.523726 °	-121.523726 °
DWR ID	DWR_RD0150_02_s_2018_109				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	5.33	Rating **	M	Issue No.	54
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.382072 °	38.382072 °
				-121.523220 °	-121.523220 °
DWR ID	DWR_RD0150_02_f_2014_54				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_16_54_20190307_00037.jpg



View of slope instability on the waterside of the levee looking towards the toe. Fall 2014

LM Start	5.42	Rating **	M	Issue No.	126
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382993 °	38.382993 °
				-121.521810 °	-121.521810 °
DWR ID	DWR_RD0150_02_s_2019_126				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.61	Rating **	M	Issue No.	127
LM End	5.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384575 °	38.384917 °
				-121.519055 °	-121.518538 °
DWR ID	DWR_RD0150_02_s_2019_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	5.90	Rating **	M	Issue No.	52
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.387915 °	38.387915 °
				-121.516002 °	-121.516002 °
DWR ID	DWR_RD0150_02_f_2016_52				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion due to runoff.					



View of erosion due to runoff. Fall 2018

LM Start	5.90	Rating **	M	Issue No.	52 (cont)
LM End	5.90	Issue Type +	Ma	Location *	LS



View of the erosion on the landside of the levee during spring 2017 inspection.

LM Start	5.94	Rating **	M	Issue No.	128
LM End	5.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.388507 °	38.388997 °
				-121.515638 °	-121.515468 °
DWR ID	DWR_RD0150_02_s_2019_128				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	6.13	Rating **	M	Issue No.	27
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.391203 °	38.391203 °
				-121.514972 °	-121.514972 °
DWR ID	DWR_RD0150_02_s_2019_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.73	Rating **	C	Issue No.	111
LM End	6.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.399838 °	38.399838 °
				-121.514898 °	-121.514898 °
DWR ID	DWR_RD0150_02_s_2018_111				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Possible rodent hole or sinkhole forming on waterside shoulder needs to be repaired.					

No Photos

LM Start	7.06	Rating **	C	Issue No.	71
LM End	7.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.404338 °	38.404338 °
				-121.516625 °	-121.516625 °
DWR ID	DWR_RD0150_02_s_2018_71				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	7.17	Rating **	A/W	Issue No.	53
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage		38.405933 °	38.406722 °	
			-121.517197 °	-121.517617 °	
DWR ID	DWR_RD0150_02_f_2017_53				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The flood damage consists of a waterside erosion approximately 311 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.					
Site ID No:289					
Site Designation:LMA-115					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Crown is a paved road. 2 scarps 6 ft deep and about 15 ft long each within site and 6 ft from crown, otherwise erosion was pretty small. Rip rap on 3/4 of slope here, but not full coverage. Area of concern because deeper scarps only extended a short distance. 2019 Spring DWR Inspector: New erosion was visible around tree.					

Photo 1 of 5 : SP_2019_RD0150_16_53_20190422_00133.jpg



View looking upstream at erosion around tree. Spring 2019

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP_2019_RD0150_16_53_20190307_00033.jpg



View of waterside slope with some revetment. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

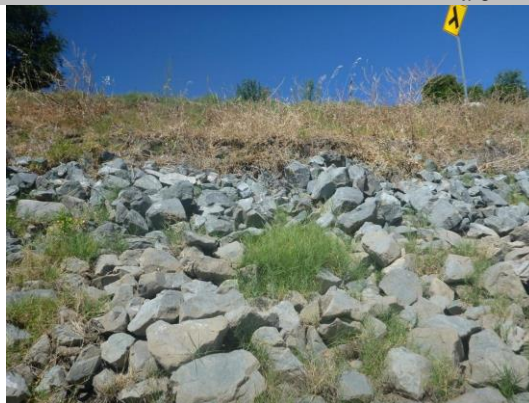
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)	
LM End	7.23	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.405933 °		38.406722 °
				-121.517197 °		-121.517617 °
DWR ID	DWR_RD0150_02_f_2017_53					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The flood damage consists of a waterside erosion approximately 311 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.						
Site ID No:289						
Site Designation:LMA-115						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes: Crown is a paved road. 2 scarps 6 ft deep and about 15 ft long each within site and 6 ft from crown, otherwise erosion was pretty small. Rip rap on 3/4 of slope here, but not full coverage. Area of concern because deeper scarps only extended a short distance. 2019 Spring DWR Inspector: New erosion was visible around tree.						

Photo 3 of 5 : LEVAL_SP_2019_289_2163.jpg



LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : LEVAL_SP_2019_289_2165.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)	
LM End	7.23	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.405933 °		38.406722 °
				-121.517197 °		-121.517617 °
DWR ID	DWR_RD0150_02_f_2017_53					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The flood damage consists of a waterside erosion approximately 311 feet long on the west (right) bank of the Sacramento River. See attached pages for photos.						
Site ID No:289						
Site Designation:LMA-115						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes: Crown is a paved road. 2 scarps 6 ft deep and about 15 ft long each within site and 6 ft from crown, otherwise erosion was pretty small. Rip rap on 3/4 of slope here, but not full coverage. Area of concern because deeper scarps only extended a short distance. 2019 Spring DWR Inspector: New erosion was visible around tree.						

Photo 5 of 5 : LEVAL_SP_2019_289_2168.jpg



LM Start	7.22	Rating **	M	Issue No.	32
LM End	7.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406454 °	38.406454 °
				-121.517732 °	-121.517732 °
DWR ID	DWR_RD0150_02_s_2012_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	7.32	Rating **	M	Issue No.	44
LM End	7.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.407842 °	38.408168 °	
			-121.518425 °	-121.518663 °	
DWR ID	DWR_RD0150_02_s_2019_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.41	Rating **	M	Issue No.	39
LM End	7.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.408965 °	38.413267 °	
			-121.519198 °	-121.522400 °	
DWR ID	DWR_RD0150_02_s_2019_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.66	Rating **	M	Issue No.	57
LM End	7.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.412177 °	38.412312 °	
			-121.521400 °	-121.521525 °	
DWR ID	DWR_RD0150_02_s_2019_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/12/2019 04/18/2019	Luz Dial

LM Start	7.76	Rating **	M	Issue No.	61
LM End	7.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413345 °	38.413493 °
				-121.522393 °	-121.522498 °
DWR ID	DWR_RD0150_02_s _ 2019_61				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.80	Rating **	M	Issue No.	67
LM End	7.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413920 °	38.413987 °
				-121.522853 °	-121.522922 °
DWR ID	DWR_RD0150_02_s _ 2019_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	198
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332653 °	38.332653 °
				-121.583518 °	-121.583518 °
DWR ID	DWR_RD0150_03_s_2019_198				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	A/W	Issue No.	20
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.332735 °	38.413893 °
				-121.583625 °	-121.522896 °
DWR ID	DWR_RD0150_03_s_2019_20				
Comment Code					
Inspector Comment					
2017 Site ID: ELK 0.2 L					
Status: Eroding					
2017 Field Notes: Dresh erosion; site continues to worsen.					
Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	197
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.333505 °	38.333505 °
				-121.583550 °	-121.583550 °
DWR ID	DWR_RD0150_03_s_2019_197				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.06	Rating **	M	Issue No.	195
LM End	0.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.333505 °	38.334442 °
				-121.583550 °	-121.583343 °
DWR ID	DWR_RD0150_03_s_2019_195				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove tall weeds from crown.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	936
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334233 °	38.334233 °
				-121.583414 °	-121.583414 °
DWR ID	DWR_RD0150_03_s_2012_936				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking visibility.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.13	Rating **	M	Issue No.	196
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334442 °	38.334442 °
				-121.583343 °	-121.583343 °
DWR ID	DWR_RD0150_03_s_2019_196				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.17	Rating **	M	Issue No.	194
LM End	0.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334990 °	38.335953 °
				-121.583098 °	-121.582518 °
DWR ID	DWR_RD0150_03_s_2019_194				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.17	Rating **	M	Issue No.	193
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334990 °	38.337760 °
				-121.583098 °	-121.581525 °
DWR ID	DWR_RD0150_03_s_2019_193				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.17	Rating **	M	Issue No.	192
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334990 °	38.337977 °
				-121.583098 °	-121.581428 °
DWR ID	DWR_RD0150_03_s_2019_192				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	M	Issue No.	190
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.339948 °	38.341367 °
				-121.581080 °	-121.580590 °
DWR ID	DWR_RD0150_03_s_2019_190				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.56	Rating **	M	Issue No.	191
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.340443 °	38.341300 °
				-121.580963 °	-121.580628 °
DWR ID	DWR_RD0150_03_s_2019_191				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.68	Rating **	M	Issue No.	189
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342097 °	38.342520 °
				-121.580360 °	-121.580315 °
DWR ID	DWR_RD0150_03_s_2019_189				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.76	Rating **	M	Issue No.	188
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343228 °	38.344855 °
				-121.580370 °	-121.580023 °
DWR ID	DWR_RD0150_03_s_2019_188				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.84	Rating **	M	Issue No.	184
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344400 °	38.348738 °
				-121.580183 °	-121.572355 °
DWR ID	DWR_RD0150_03_s_2019_184				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	0.92	Rating **	M	Issue No.	5
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345493 °	38.345493 °
				-121.579682 °	-121.579682 °
DWR ID	DWR_RD0150_03_s _ 2012_5				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Maintain visibility of levee slopes.					

No Photos

LM Start	1.04	Rating **	M	Issue No.	185
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347027 °	38.348667 °
				-121.578787 °	-121.572360 °
DWR ID	DWR_RD0150_03_s _ 2019_185				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.18	Rating **	M	Issue No.	187
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347605 °	38.347468 °
				-121.576525 °	-121.574707 °
DWR ID	DWR_RD0150_03_s _ 2019_187				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	1.37	Rating **	M	Issue No.	186
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347578 °	38.347832 °
				-121.573032 °	-121.572553 °
DWR ID	DWR_RD0150_03_s_2019_186				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo on waterside slope.					

No Photos

LM Start	1.50	Rating **	M	Issue No.	180
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.349223 °	38.353885 °
				-121.572475 °	-121.565443 °
DWR ID	DWR_RD0150_03_s_2019_180				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.57	Rating **	M	Issue No.	183
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.350228 °	38.350228 °
				-121.572758 °	-121.572758 °
DWR ID	DWR_RD0150_03_s_2019_183				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	1.61	Rating **	M	Issue No.	181
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.350818 °	38.353655 °
				-121.572925 °	-121.566798 °
DWR ID	DWR_RD0150_03_s_2019_181				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.83	Rating **	M	Issue No.	85
LM End	1.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.353761 °	38.353761 °
				-121.572390 °	-121.572390 °
DWR ID	DWR_RD0150_03_s_2016_85				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The LMA cut part of the fallen tree, but a part remains on the levee slope easement.					

Photo 1 of 1 : SP_2019_RD0150_17_85_20190307_00070.jpg



View of broken tree trunk on the waterside slope of the levee. Spring 2016

LM Start	2.21	Rating **	M	Issue No.	179
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.353722 °	38.353923 °
				-121.566105 °	-121.565345 °
DWR ID	DWR_RD0150_03_s_2019_179				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.29	Rating **	A/W	Issue No.	37
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.354103 °	38.354211 °
				-121.564850 °	-121.564631 °
DWR ID	DWR_RD0150_03_f_2017_37				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Instability, cracking, and erosion were observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 75 feet long. See attached pages for photos.					
Site ID No:294					
Site Designation:LMA-120					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/19/2017					
Notes: Area of concern because erosion is not too far into the levee prism and looks similar to the rest of the levee outside of the site.					
Crown is a paved road.					

LM Start	2.29	Rating **	A/W	Issue No.	37 (cont)
LM End	2.30	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SP_2019_RD0150_17_37_20190307_00019.jpg



View of slope damage near fallen tree. Fall 2018

Photo 2 of 4 : LEVAL_SP_2019_294_2272.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.29	Rating **	A/W	Issue No.	37 (cont)
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.354103 °	38.354211 °
				-121.564850 °	-121.564631 °
DWR ID	DWR_RD0150_03_f_2017_37				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Instability, cracking, and erosion were observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 75 feet long. See attached pages for photos.					
Site ID No:294					
Site Designation:LMA-120					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/19/2017					
Notes: Area of concern because erosion is not too far into the levee prism and looks similar to the rest of the levee outside of the site.					
Crown is a paved road.					

Photo 3 of 4 : LEVAL_SP_2019_294_2275.jpg



LM Start	2.29	Rating **	A/W	Issue No.	37 (cont)
LM End	2.30	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : LEVAL_SP_2019_294_2277.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.31	Rating **	M	Issue No.	178
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354258 °	38.354630 °
				-121.564570 °	-121.563958 °
DWR ID	DWR_RD0150_03_s_2019_178				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.44	Rating **	M	Issue No.	177
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.355520 °	38.355520 °
				-121.562727 °	-121.562727 °
DWR ID	DWR_RD0150_03_s_2019_177				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.62	Rating **	M	Issue No.	17
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.357863 °	38.358545 °
				-121.561340 °	-121.561292 °
DWR ID	DWR_RD0150_03_s_2019_17				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

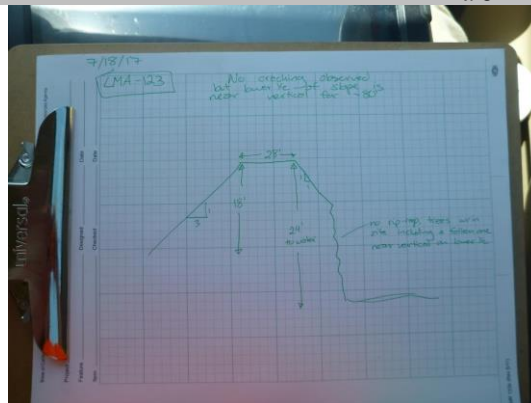
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.72	Rating **	A/W	Issue No.	42 (cont)
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.359256 °	38.359461 °	
			-121.561239 °	-121.561275 °	
DWR ID	DWR_RD0150_03_f_2017_42				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: On 11 and 15 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 75 feet long and 5 to 10 feet down from the levee crest. See attached pages for photos</p> <p>Site ID No: 297</p> <p>Site Designation: LMA-123</p> <p>Repair Type: Stability</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/18/2017</p> <p>Notes: Crown is a paved road. 20 ft of cracking observed maximum within the site, but lower 1/4 of slope is near vertical. Lower priority because it is not too much worse than the surrounding levees.</p>					

Photo 3 of 3 : LEVAL_SP_2019_297_1933.jpg



LM Start	2.74	Rating **	A/W	Issue No.	45
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.359594 °	38.359808 °	
			-121.561308 °	-121.561369 °	
DWR ID	DWR_RD0150_03_f_2017_45				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: On 11 and 15 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 80 feet long and 5 to 10 feet down from the levee crest. See attached pages for photos.</p> <p>Site ID No: 298</p> <p>Site Designation: LMA-124</p> <p>Repair Type: Stability</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/18/2017</p> <p>Notes: No cracking observed, but there is runoff erosion along the entire WS slope here. Crown is a paved road. Area of concern because erosion was caused by runoff and was less severe than other sites along Elk Slough.</p>					

Photo 1 of 3 : LEVAL_SP_2019_298_1924.jpg



* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

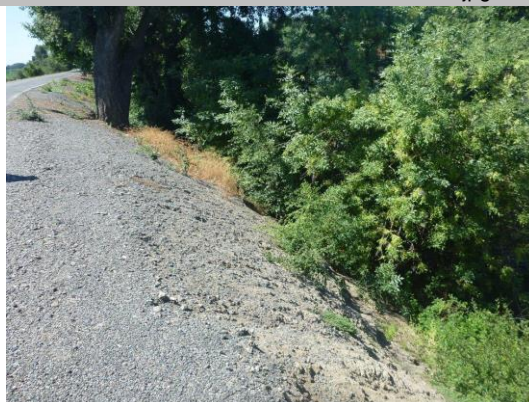
LM Start	2.74	Rating **	A/W	Issue No.	45 (cont)
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.359594 °	38.359808 °
				-121.561308 °	-121.561369 °
DWR ID	DWR_RD0150_03_f_2017_45				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:On 11 and 15 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 80 feet long and 5 to 10 feet down from the levee crest. See attached pages for photos.					
Site ID No:298					
Site Designation:LMA-124					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: No cracking observed, but there is runoff erosion along the entire WS slope here. Crown is a paved road. Area of concern because erosion was caused by runoff and was less severe than other sites along Elk Slough.					

Photo 2 of 3 : LEVAL_SP_2019_298_1925.jpg



LM Start	2.74	Rating **	A/W	Issue No.	45 (cont)
LM End	2.76	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2019_298_1926.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

View of erosion on the waterside slope of the levee looking downstream. Spring 2017

A photograph showing a gravel path in the foreground, leading down a grassy slope towards a dense thicket of green and brown shrubs. The path is composed of small, light-colored stones and is partially shaded by the surrounding vegetation. The shrubs are lush and green, with some showing signs of autumnal color change, appearing in shades of brown and orange. The background is filled with more dense foliage, creating a sense of a secluded, natural area.Page 15 of 74

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

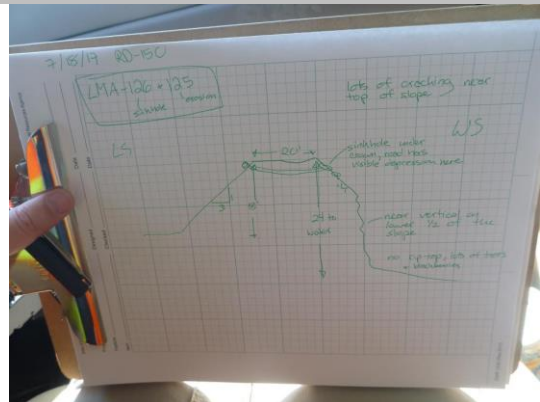
LM Start	2.80	Rating **	A/W	Issue No.	53 (cont)
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.360367 °	38.360544 °
				-121.561592 °	-121.561683 °
DWR ID	DWR_RD0150_03_f_2017_53				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:On 11 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 70 feet long and 12 feet down from the levee crest. See attached pages for photos					
Site ID No:299					
Site Designation:LMA-125					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Crown is a paved road. Cracking on upper 1/3 of slope. Lower 1/2 of slope is near vertical. Area of concern because erosion is less severe than other sites along Elk Slough. Spring 2019 DWR Inspection: Erosion is visible at levee slope.					

LM Start	2.80	Rating **	A/W	Issue No.	53 (cont)
LM End	2.81	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2019_299_2106.jpg



Photo 3 of 3 : LEVAL_SP_2019_299_2108.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.80	Rating **	A/W	Issue No.	35
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.360432 °	38.360432 °
				-121.561644 °	-121.561644 °
DWR ID	DWR_RD0150_03_s_2013_35				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_35_20190307_00015.jpg



View of erosion at top of slope. Fall 2018

LM Start	2.80	Rating **	A/W	Issue No.	35 (cont)
LM End	2.80	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0150_17_35_20190307_00016.jpg



View of erosion on the waterside of the levee during spring 2017 inspection.

LM Start	2.86	Rating **	M	Issue No.	176
LM End	2.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.361213 °	38.362347 °
				-121.562067 °	-121.562305 °
DWR ID	DWR_RD0150_03_s_2019_176				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	2.95	Rating **	M	Issue No.	86
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.362431 °	38.362431 °
				-121.562265 °	-121.562265 °
DWR ID	DWR_RD0150_03_s_2018_86				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on waterside slope.					

Photo 1 of 1 : SP_2019_RD0150_17_86_20190307_00071.jpg



Fallen tree on waterside slope looking southwest. Spring 2018

LM Start	2.98	Rating **	M	Issue No.	175
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.362840 °	38.362840 °
				-121.562225 °	-121.562225 °
DWR ID	DWR_RD0150_03_s_2019_175				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.00	Rating **	M	Issue No.	174
LM End	3.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.363183 °	38.363887 °
				-121.562060 °	-121.560690 °
DWR ID	DWR_RD0150_03_s_2019_174				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.10	Rating **	M	Issue No.	173
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363857 °	38.363857 °
				-121.560493 °	-121.560493 °
DWR ID	DWR_RD0150_03_s_2019_173				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.21	Rating **	M	Issue No.	27
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363330 °	38.363330 °
				-121.558590 °	-121.558590 °
DWR ID	DWR_RD0150_03_s_2019_27				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.31	Rating **	M	Issue No.	40
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363008 °	38.363008 °
				-121.556751 °	-121.556751 °
DWR ID	DWR_RD0150_03_s_2013_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_40_20190307_00024.jpg



View of erosion on the waterside of the levee during spring 2015 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.31	Rating **	M	Issue No.	40 (cont)	
LM End	3.31	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.363008 °		38.363008 °
				-121.556751 °		-121.556751 °
DWR ID	DWR_RD0150_03_s_2013_40					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2019_RD0150_17_40_20190307_00025.jpg



View of erosion on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	3.36	Rating **	M	Issue No.	102
LM End	3.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363254 °	38.363254 °
				-121.555889 °	-121.555889 °
DWR ID	DWR_RD0150_03_s_2018_102				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.37	Rating **	A/W	Issue No.	76
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			38.363380 °	38.364325 °
				-121.555715 °	-121.555330 °
DWR ID	DWR_RD0150_03_s_2017_76				
Comment Code					
Inspector Comment					
Riprap remains intact.					

Photo 1 of 1 : SP_2019_RD0150_17_76_20190307_00064.jpg



View of the new riprap on the waterside slope of the levee looking downstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.39	Rating **	U	Issue No.	115
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363540 °	38.363540 °
				-121.555554 °	-121.555554 °
DWR ID	DWR_RD0150_03_f_2013_115				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion (ditch) found on the landside toe of the levee.					

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP_2019_RD0150_17_115_20190307_00101.jpg



View of the ditch on the landside toe of the levee. Fall 2016

Photo 2 of 3 : SP_2019_RD0150_17_115_20190307_00102.jpg



View of the ditch on the landside toe of the levee during fall 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.39	Rating **	U	Issue No.	115 (cont)	
LM End	3.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.363540 °	38.363540 °	
				-121.555554 °	-121.555554 °	
DWR ID	DWR_RD0150_03_f_2013_115					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Repair erosion (ditch) found on the landside toe of the levee.						

Photo 3 of 3 : SP_2019_RD0150_17_115_20190307_00103.jpg



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

LM Start	3.45	Rating **	A/W	Issue No.	91
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.364450 °	38.364567 °
				-121.555331 °	-121.555333 °
DWR ID	DWR_RD0150_03_f_2017_91				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:On 11 January 2017 and 7 February 2017, waterside instability and erosion were observed on the east (left) bank of Elk Slough. The site is approximately 43 feet long and 11 feet down from the levee crest. See attached pages for photos.					
Site ID No:302					
Site Designation:LMA-128					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion on lower 2/3 of slope. Crown is a paved road. Area of concern because erosion was not as severe and there was lots of vegetation on the lower slope indicating damage may be older. WS slope has been rocked just downstream of this site. 2019 Spring DWR Inspection: No new erosion was observed during the inspection.					

Photo 1 of 3 : LEVAL_SP_2019_302_2086.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.45	Rating **	A/W	Issue No.	91 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.364450 °	38.364567 °
				-121.555331 °	-121.555333 °
DWR ID	DWR_RD0150_03_f_2017_91				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:On 11 January 2017 and 7 February 2017, waterside instability and erosion were observed on the east (left) bank of Elk Slough. The site is approximately 43 feet long and 11 feet down from the levee crest. See attached pages for photos.					
Site ID No:302					
Site Designation:LMA-128					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion on lower 2/3 of slope. Crown is a paved road. Area of concern because erosion was not as severe and there was lots of vegetation on the lower slope indicating damage may be older. WS slope has been rocked just downstream of this site. 2019 Spring DWR Inspection: No new erosion was observed during the inspection.					

Photo 2 of 3 : LEVAL_SP_2019_302_2088.jpg



Photo 3 of 3 : LEVAL_SP_2019_302_2089.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.48	Rating **	M	Issue No.	172
LM End	3.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364778 °	38.365418 °
				-121.555373 °	-121.555495 °
DWR ID	DWR_RD0150_03_s_2019_172				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	171
LM End	3.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.366193 °	38.366790 °
				-121.555752 °	-121.555703 °
DWR ID	DWR_RD0150_03_s_2019_171				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.68	Rating **	M	Issue No.	169
LM End	3.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.367330 °	38.367807 °
				-121.554783 °	-121.551998 °
DWR ID	DWR_RD0150_03_s_2019_169				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.74	Rating **	M	Issue No.	170
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.367462 °	38.367463 °
				-121.553823 °	-121.553398 °
DWR ID	DWR_RD0150_03_s_2019_170				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.79	Rating **	M	Issue No.	116
LM End	3.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367535 °	38.367535 °
				-121.552815 °	-121.552815 °
DWR ID	DWR_RD0150_03_f_2013_116				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_116_20190307_00104.jpg



View of slope instability on the waterside of the levee. Fall 2016

LM Start	3.88	Rating **	M	Issue No.	168
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368222 °	38.368408 °
				-121.551460 °	-121.551338 °
DWR ID	DWR_RD0150_03_s_2019_168				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	3.92	Rating **	M	Issue No.	167
LM End	3.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.368745 °	38.369093 °
				-121.551363 °	-121.551482 °
DWR ID	DWR_RD0150_03_s_2019_167				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.98	Rating **	M	Issue No.	126
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.369503 °	38.371860 °
				-121.551683 °	-121.551988 °
DWR ID	DWR_RD0150_03_s_2019_126				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.02	Rating **	M	Issue No.	93
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.370125 °	38.370125 °
				-121.552030 °	-121.552030 °
DWR ID	DWR_RD0150_03_s_2016_93				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is erosion on the waterside toe of the levee.					

Photo 1 of 1 : SP_2019_RD0150_17_93_20190307_00079.jpg



Erosion was found on the waterside toe of the levee. Spring 2016

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.18	Rating **	M	Issue No.	166
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.372083 °	38.373800 °
				-121.551685 °	-121.550458 °
DWR ID	DWR_RD0150_03_s_2019_166				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.35	Rating **	M	Issue No.	165
LM End	4.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374113 °	38.374295 °
				-121.550005 °	-121.548248 °
DWR ID	DWR_RD0150_03_s_2019_165				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.39	Rating **	A/W	Issue No.	98
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.374278 °	38.374278 °
				-121.549167 °	-121.548511 °
DWR ID	DWR_RD0150_03_f_2017_98				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Between 11 and 19 January 2017, waterside instability and erosion were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long, 7 feet below the levee crest, and includes a fallen tree and exposed root ball in the levee slope. See attached pages for photos.					
Site ID No:304					
Site Designation:LMA-130					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Crown is a paved road. Near vertical on lower 1/2 of slope including a fallen tree with exposed root ball. Serious because sloughing cuts into already over-steepened prism significantly and visible longitudinal cracking near crown.					

Photo 1 of 3 : LEVAL_SP_2019_304_2072.jpg



LM Start	4.39	Rating **	A/W	Issue No.	98 (cont)
LM End	4.43	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2019_304_2075.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.39	Rating **	A/W	Issue No.	98 (cont)	
LM End	4.43	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.374278 °	38.374278 °	
				-121.549167 °	-121.548511 °	
DWR ID	DWR_RD0150_03_f_2017_98					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Between 11 and 19 January 2017, waterside instability and erosion were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long, 7 feet below the levee crest, and includes a fallen tree and exposed root ball in the levee slope. See attached pages for photos.						
Site ID No:304						
Site Designation:LMA-130						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: Crown is a paved road. Near vertical on lower 1/2 of slope including a fallen tree with exposed root ball. Serious because sloughing cuts into already over-steepened prism significantly and visible longitudinal cracking near crown.						

Photo 3 of 3 : LEVAL_SP_2019_304_2078.jpg



LM Start	4.47	Rating **	A/W	Issue No.	108
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.374314 °	38.374344 °
				-121.547753 °	-121.547447 °
DWR ID	DWR_RD0150_03_f_2017_108				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Between 11 January 2017 and 7 February 2017, instability, cracking, and erosion of the waterside levee slope were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long. See attached pages for photos.					
Site ID No:305					
Site Designation:LMA-131					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Crown is a paved road. Near vertical sloughing on the lower 2/3 of the prism. House and ramp/driveway on the LS. Serious because sloughing cuts into already over-steepened prism significantly. 2019 Spring DWR Inspection: Erosion was not visible during the inspection due to high water.					

Photo 1 of 2 : LEVAL_SP_2019_305_2066.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.47	Rating **	A/W	Issue No.	108 (cont)	
LM End	4.49	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.374314 °	38.374344 °	
				-121.547753 °	-121.547447 °	
DWR ID	DWR_RD0150_03_f_2017_108					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Between 11 January 2017 and 7 February 2017, instability, cracking, and erosion of the waterside levee slope were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long. See attached pages for photos.						
Site ID No:305						
Site Designation:LMA-131						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: Crown is a paved road. Near vertical sloughing on the lower 2/3 of the prism. House and ramp/driveway on the LS. Serious because sloughing cuts into already over-steepened prism significantly. 2019 Spring DWR Inspection: Erosion was not visible during the inspection due to high water.						

Photo 2 of 2 : LEVAL_SP_2019_305_2067.jpg



LM Start	4.49	Rating **	A/W	Issue No.	80
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374355 °	38.374355 °
				-121.547436 °	-121.547436 °
DWR ID	DWR_RD0150_03_s_2014_80				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_80_20190307_00065.jpg



View of an erosion site on the waterside toe of the levee looking upstream. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.52	Rating **	M	Issue No.	161
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374470 °	38.375362 °
				-121.546957 °	-121.544232 °
DWR ID	DWR_RD0150_03_s_2019_161				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.55	Rating **	M	Issue No.	163
LM End	4.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374528 °	38.374632 °
				-121.546372 °	-121.545615 °
DWR ID	DWR_RD0150_03_s_2019_163				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.64	Rating **	M	Issue No.	162
LM End	4.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374995 °	38.374995 °
				-121.544913 °	-121.544913 °
DWR ID	DWR_RD0150_03_s_2019_162				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.76	Rating **	M	Issue No.	160
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.376258 °	38.376597 °
				-121.543288 °	-121.542942 °
DWR ID	DWR_RD0150_03_s_2019_160				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.79	Rating **	M	Issue No.	101
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.376562 °	38.376562 °
				-121.543016 °	-121.543016 °
DWR ID	DWR_RD0150_03_s_2017_101				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_101_20190307_00088.jpg



View of an erosion on the waterside toe of the levee. Spring 2017

LM Start	4.87	Rating **	M	Issue No.	159
LM End	4.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.377390 °	38.377390 °
				-121.541832 °	-121.541832 °
DWR ID	DWR_RD0150_03_s_2019_159				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	4.96	Rating **	M	Issue No.	158
LM End	4.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.378340 °	38.378472 °
				-121.540877 °	-121.540763 °
DWR ID	DWR_RD0150_03_s_2019_158				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.99	Rating **	M	Issue No.	36
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.378771 °	38.378771 °
				-121.540538 °	-121.540538 °
DWR ID	DWR_RD0150_03_f_2012_36				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_36_20190307_00017.jpg



View of slope instability on the waterside shoulder of the levee during fall 2015 inspection.

LM Start	4.99	Rating **	M	Issue No.	36 (cont)
LM End	4.99	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0150_17_36_20190307_00018.jpg



Slope instability was found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.00	Rating **	M	Issue No.	124
LM End	5.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.378888 °	38.378888 °	
			-121.540486 °	-121.540486 °	
DWR ID	DWR_RD0150_03_s_2018_124				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	5.03	Rating **	M	Issue No.	157
LM End	5.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.379273 °	38.379783 °	
			-121.540233 °	-121.540052 °	
DWR ID	DWR_RD0150_03_s_2019_157				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.05	Rating **	M	Issue No.	81
LM End	5.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.379608 °	38.379608 °	
			-121.540082 °	-121.540082 °	
DWR ID	DWR_RD0150_03_f_2014_81				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_81_20190307_00066.jpg



View of erosion on the waterside of the levee looking downstream. Fall 2014

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.06	Rating **	A/W	Issue No.	959	
LM End	5.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.379697 °	38.379697 °	
				-121.540070 °	-121.540070 °	
DWR ID	22446					
Comment Code						
Inspector Comment						
FS_ID:49386 DS_ID:22446 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2014 Recordation from permit files 13736 match photos and approximate location of UCIP confirmed crossing.8/2013- a smaller pump on WS steel deck and was running.- seems 30-inch steel pipe goes through the levee.- GI electric conduit on WS and power pole on LS. FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Pump and gate valve at the landside (LS) toe. (Plans to install a 24-inch discharge pipeline through the levee authorized under Permit No. 13736, 1983 - Reclamation District No. 150 [RD0150]). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957, (HLM 5.15), 30-inch pipe referenced, invert elevation 14.5 feet below the crown]. FS Date: 8/23/2013						

Photo 1 of 3 : UCIP_SP_2019_49386_63902.jpg



WS view: pipe, steel deck, pressure tank, electric control box on stream bank.

LM Start	5.06	Rating **	A/W	Issue No.	959 (cont)
LM End	5.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_49386_63901.jpg



WS view: a smaller pump on steel deck. It was working during the survey.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.06	Rating **	A/W	Issue No.	959 (cont)
LM End	5.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.379697 °	38.379697 °
				-121.540070 °	-121.540070 °
DWR ID	22446				
Comment Code					
Inspector Comment					
FS_ID:49386 DS_ID:22446 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2014 Recordation from permit files 13736 match photos and approximate location of UCIP confirmed crossing.8/2013- a smaller pump on WS steel deck and was running.- seems 30-inch steel pipe goes through the levee.- GI electric conduit on WS and power pole on LS. FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Pump and gate valve at the landside (LS) toe. (Plans to install a 24-inch discharge pipeline through the levee authorized under Permit No. 13736, 1983 - Reclamation District No. 150 [RD0150])). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957, (HLM 5.15), 30-inch pipe referenced, invert elevation 14.5 feet below the crown]. FS Date: 8/23/2013					

Photo 3 of 3 : UCIP_SP_2019_49386_63900.jpg



WS view: siphon breaker on pipe in steel deck on stream bank.

LM Start	5.13	Rating **	M	Issue No.	155
LM End	5.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.380718 °	38.381870 °
				-121.540198 °	-121.542923 °
DWR ID	DWR_RD0150_03_s_2019_155				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

No Photos

Photo 1 of 3 : LEVAL_SP_2019_309_2036.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.15	Rating **	A/W	Issue No.	111 (cont)	
LM End	5.15	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.380906 °		38.380928 °
				-121.540344 °		-121.540364 °
DWR ID	DWR_RD0150_03_f_2017_111					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:On 19 January 2017, two large trees were observed to have fallen into the water exposing the root ball on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long. See attached pages for photos.						
Site ID No:309						
Site Designation:LMA-135						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: 2 oak trees fell over at the WS toe and took root balls out of the lower slope about 5 ft deep just above the water line. Area of concern because damage is only on the lower slope near the water line. Spring 2019 DWR Inspection: Erosion was not visible due to high water.						

Photo 2 of 3 : LEVAL_SP_2019_309_2038.jpg



LM Start	5.15	Rating **	A/W	Issue No.	111 (cont)
LM End	5.15	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2019_309_2039.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.15	Rating **	A/W	Issue No.	72
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.380940 °	38.380940 °
				-121.540384 °	-121.540384 °
DWR ID	DWR_RD0150_03_f_2016_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree stump and broken tree were found on the waterside toe but were not visible during Spring inspection due to high water.					

Photo 1 of 1 : SP_2019_RD0150_17_72_20190307_00058.jpg



View of tree stump and broken tree on the waterside toe of the levee.
Fall 2016

LM Start	5.16	Rating **	M	Issue No.	156
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381032 °	38.381097 °
				-121.540428 °	-121.540488 °
DWR ID	DWR_RD0150_03_s_2019_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.19	Rating **	M	Issue No.	125
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381352 °	38.381352 °
				-121.540797 °	-121.540797 °
DWR ID	DWR_RD0150_03_s_2018_125				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree with exposed rootball.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.29	Rating **	M	Issue No.	154
LM End	5.32	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381810 °	38.381868 °
				-121.542525 °	-121.543188 °
DWR ID	DWR_RD0150_03_s_2019_154				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_154_20190415_00176.jpg



View of tall vegetation on levee crown. Spring 2019

LM Start	5.32	Rating **	M	Issue No.	96
LM End	5.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381843 °	38.381843 °
				-121.543117 °	-121.543117 °
DWR ID	DWR_RD0150_03_s_2016_96				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree/root damaged levee slope and needs to be removed.					

Photo 1 of 1 : SP_2019_RD0150_17_96_20190307_00082.jpg



Broken tree roots and tree trunks were found on the waterside toe of the levee. Spring 2016

LM Start	5.36	Rating **	M	Issue No.	153
LM End	5.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381942 °	38.382010 °
				-121.543818 °	-121.544033 °
DWR ID	DWR_RD0150_03_s_2019_153				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.40	Rating **	A/W	Issue No.	114 (cont)
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.382169 °	38.382206 °
				-121.544597 °	-121.544731 °
DWR ID	DWR_RD0150_03_f _ 2017_114				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Cracking and erosion were observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 40 feet long. See attached pages for photos.					
Site ID No:310					
Site Designation:LMA-136					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Large oak tree fell over here and took a root ball with it. At least 15 ft wide by 5ft deep soil missing, 5 ft from crown. Longitudinal cracks for 40 ft along crown hinge. Serious because prism is impacted and cracking is visible beyond the damaged area.					

Photo 2 of 3 : LEVAL_SP_2019_310_2190.jpg



LM Start	5.40	Rating **	A/W	Issue No.	114 (cont)
LM End	5.41	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2019_310_2191.jpg



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.49	Rating **	N	Issue No.	74
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383051 °	38.383051 °
				-121.545735 °	-121.545735 °
DWR ID	DWR_RD0150_03_f_2016_74				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stump and broken tree on the waterside shoulder of the levee need to be removed.					

Photo 1 of 1 : SP_2019_RD0150_17_74_20190307_00062.jpg



View of tree trunks on the waterside shoulder of the levee. Fall 2016

LM Start	5.56	Rating **	N	Issue No.	68
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383697 °	38.383697 °
				-121.545201 °	-121.545201 °
DWR ID	DWR_RD0150_03_s_2012_68				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_68_20190307_00057.jpg

Tree stump was found on the waterside of the levee looking upstream.
Fall 2011

LM Start	5.61	Rating **	M	Issue No.	151
LM End	5.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.383740 °	38.383797 °
				-121.544357 °	-121.543977 °
DWR ID	DWR_RD0150_03_s_2019_151				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.64	Rating **	M	Issue No.	150
LM End	5.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383825 °	38.383825 °
				-121.543683 °	-121.543683 °
DWR ID	DWR_RD0150_03_s_2019_150				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree debris from levee shoulder and slope.					

LM Start	5.64	Rating **	M	Issue No.	150 (cont)
LM End	5.64	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2019_RD0150_17_150_20190415_00174.jpg



View of tree debris on waterside slope. Spring 2019

Photo 2 of 2 : SP_2019_RD0150_17_150_20190415_00175.jpg



View of tree debris on waterside slope. Spring 2019

LM Start	5.68	Rating **	M	Issue No.	149
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.383920 °	38.384188 °
				-121.543117 °	-121.541768 °
DWR ID	DWR_RD0150_03_s_2019_149				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.71	Rating **	U	Issue No.	104
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.384026 °	38.384026 °
				-121.542455 °	-121.542455 °
DWR ID	DWR_RD0150_03_s_2017_104				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Animal hole appears to be inactive but should be backfilled.					



View of animal hole on landside toe. Fall 2018

LM Start	5.71	Rating **	U	Issue No.	104 (cont)
LM End	5.71	Issue Type +	Ma	Location *	LS



View of a rodent hole on the landside toe of the levee. Spring 2017

LM Start	5.77	Rating **	M	Issue No.	148
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384270 °	38.384270 °
				-121.541365 °	-121.541365 °
DWR ID	DWR_RD0150_03_s_2019_148				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.78	Rating **	M	Issue No.	28
LM End	5.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384333 °	38.384333 °
				-121.541310 °	-121.541310 °
DWR ID	DWR_RD0150_03_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_28_20190307_00010.jpg



Wild growth was found on the waterside slope of the levee looking upstream.

LM Start	5.82	Rating **	M	Issue No.	57
LM End	5.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384648 °	38.384648 °
				-121.540669 °	-121.540669 °
DWR ID	DWR_RD0150_03_s_2012_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_57_20190307_00044.jpg



View of a tree trunk lying on the landward slope blocking visibility.

LM Start	5.88	Rating **	M	Issue No.	147
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.385300 °	38.385300 °
				-121.540007 °	-121.540007 °
DWR ID	DWR_RD0150_03_s_2019_147				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree prunings from the slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	5.94	Rating **	M	Issue No.	146
LM End	5.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.386258 °	38.386688 °	
			-121.539792 °	-121.540022 °	
DWR ID	DWR_RD0150_03_s_2019_146				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.05	Rating **	M	Issue No.	144
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.387527 °	38.388128 °	
			-121.540915 °	-121.541418 °	
DWR ID	DWR_RD0150_03_s_2019_144				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.05	Rating **	M	Issue No.	145
LM End	6.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.387532 °	38.388118 °	
			-121.540925 °	-121.541412 °	
DWR ID	DWR_RD0150_03_s_2019_145				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.12	Rating **	M	Issue No.	143
LM End	6.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.388372 °	38.389207 °
				-121.541640 °	-121.542072 °
DWR ID	DWR_RD0150_03_s_2019_143				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.23	Rating **	C	Issue No.	49
LM End	6.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389658 °	38.389658 °
				-121.541518 °	-121.541518 °
DWR ID	DWR_RD0150_03_s_2012_49				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	6.31	Rating **	M	Issue No.	142
LM End	6.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.390343 °	38.390675 °
				-121.540317 °	-121.539788 °
DWR ID	DWR_RD0150_03_s_2019_142				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.37	Rating **	M	Issue No.	141
LM End	6.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.390860 °	38.390967 °	
			-121.539465 °	-121.539268 °	
DWR ID	DWR_RD0150_03_s_2019_141				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.40	Rating **	M	Issue No.	140
LM End	6.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.391190 °	38.391332 °	
			-121.538940 °	-121.538745 °	
DWR ID	DWR_RD0150_03_s_2019_140				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.45	Rating **	M	Issue No.	138
LM End	6.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.391635 °	38.392123 °	
			-121.538395 °	-121.538117 °	
DWR ID	DWR_RD0150_03_s_2019_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.53	Rating **	M	Issue No.	136
LM End	6.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.392795 °	38.393107 °
				-121.538188 °	-121.538238 °
DWR ID	DWR_RD0150_03_s_2019_136				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

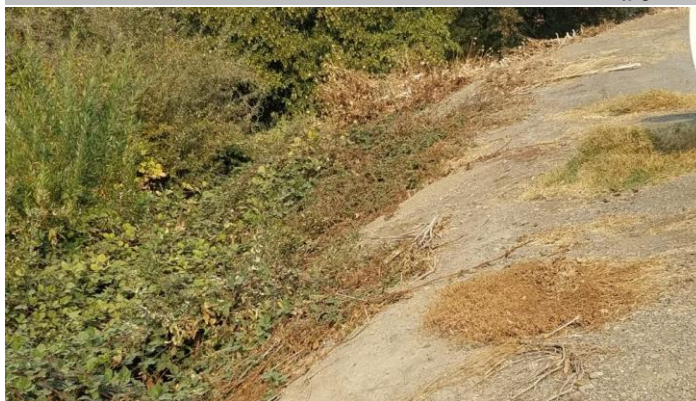
No Photos

LM Start	6.58	Rating **	M	Issue No.	135
LM End	6.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.393477 °	38.395288 °
				-121.538365 °	-121.538508 °
DWR ID	DWR_RD0150_03_s_2019_135				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.62	Rating **	U	Issue No.	46
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.393950 °	38.395118 °
				-121.538580 °	-121.538613 °
DWR ID	DWR_RD0150_03_f_2018_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth to 20 ft. down from levee shoulder.					

Photo 1 of 1 : SP_2019_RD0150_17_46_20190307_00032.jpg



View of wild growth within levee easement. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.64	Rating **	M	Issue No.	137
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.394332 °	38.394332 °
				-121.538658 °	-121.538658 °
DWR ID	DWR_RD0150_03_s_2019_137				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree with exposed rootball.					

Photo 1 of 1 : SP_2019_RD0150_17_137_20190415_00171.jpg



View of fallen tree on waterside slope. Spring 2019

LM Start	6.86	Rating **	M	Issue No.	134
LM End	6.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.396238 °	38.396302 °
				-121.536122 °	-121.536007 °
DWR ID	DWR_RD0150_03_s_2019_134				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.90	Rating **	M	Issue No.	61
LM End	6.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.396655 °	38.396655 °
				-121.535485 °	-121.535485 °
DWR ID	DWR_RD0150_03_s_2012_61				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_61_20190415_00170.jpg



View of erosion on waterside slope. Spring 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.90	Rating **	M	Issue No.	61 (cont)	
LM End	6.90	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.396655 °		38.396655 °
				-121.535485 °		-121.535485 °
DWR ID	DWR_RD0150_03_s_2012_61					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2019_RD0150_17_61_20190307_00048.jpg



View of erosion on the waterside of the levee during spring 2015 inspection.

LM Start	6.95	Rating **	A/W	Issue No.	121
LM End	6.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.397197 °	38.397225 °
				-121.535089 °	-121.535092 °
DWR ID	DWR_RD0150_03_f_2017_121				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.					
Site ID No:314					
Site Designation:LMA-141					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/19/2017					
Notes: Area of concern because the site is so small and only looks slightly worse than the surrounding levee slope. Crown is a paved road. Spring 2019 DWR Inspection: Erosion was not visible during this inspection due to high water.					

Photo 1 of 3 : LEVAL_SP_2019_314_2322.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.95	Rating **	A/W	Issue No.	121 (cont)
LM End	6.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.397197 °	38.397225 °
				-121.535089 °	-121.535092 °
DWR ID	DWR_RD0150_03_f_2017_121				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.					
Site ID No:314					
Site Designation:LMA-141					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/19/2017					
Notes: Area of concern because the site is so small and only looks slightly worse than the surrounding levee slope. Crown is a paved road. Spring 2019 DWR Inspection: Erosion was not visible during this inspection due to high water.					

Photo 2 of 3 : LEVAL_SP_2019_314_2323.jpg



LM Start	6.95	Rating **	A/W	Issue No.	121 (cont)
LM End	6.95	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2019_314_2324.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	6.99	Rating **	M	Issue No.	132
LM End	7.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.397870 °	38.399928 °
				-121.535233 °	-121.535657 °
DWR ID	DWR_RD0150_03_s_2019_132				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.01	Rating **	M	Issue No.	133
LM End	7.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.398105 °	38.398780 °
				-121.535260 °	-121.535335 °
DWR ID	DWR_RD0150_03_s_2019_133				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	7.17	Rating **	M	Issue No.	131
LM End	7.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.400408 °	38.400408 °
				-121.535912 °	-121.535912 °
DWR ID	DWR_RD0150_03_s_2019_131				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_131_20190415_00169.jpg



View of pothole on levee crown. Spring 2019

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.18	Rating **	M	Issue No.	127
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.400515°	38.400743°	
			-121.535970°	-121.536083°	
DWR ID	DWR_RD0150_03_s_2019_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.24	Rating **	M	Issue No.	119
LM End	7.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.401237°	38.401935°	
			-121.536573°	-121.537335°	
DWR ID	DWR_RD0150_03_s_2019_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.24	Rating **	M	Issue No.	120
LM End	7.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.401238°	38.401840°	
			-121.536575°	-121.537278°	
DWR ID	DWR_RD0150_03_s_2019_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.34	Rating **	M	Issue No.	118
LM End	7.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.402365 °	38.402655 °
				-121.537780 °	-121.538077 °
DWR ID	DWR_RD0150_03_s_2019_118				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.38	Rating **	M	Issue No.	110
LM End	7.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.402758 °	38.402858 °
				-121.538157 °	-121.538225 °
DWR ID	DWR_RD0150_03_s_2019_110				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.40	Rating **	M	Issue No.	107
LM End	7.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403017 °	38.404595 °
				-121.538362 °	-121.540983 °
DWR ID	DWR_RD0150_03_s_2019_107				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.40	Rating **	M	Issue No.	109
LM End	7.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403017 °	38.404595 °
				-121.538362 °	-121.540983 °
DWR ID	DWR_RD0150_03_s_2019_109				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	7.40	Rating **	M	Issue No.	106
LM End	7.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403023 °	38.404595 °
				-121.538368 °	-121.540983 °
DWR ID	DWR_RD0150_03_s_2019_106				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.63	Rating **	M	Issue No.	89
LM End	7.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.404812 °	38.406445 °
				-121.541792 °	-121.542932 °
DWR ID	DWR_RD0150_03_s_2019_89				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.63	Rating **	M	Issue No.	100
LM End	7.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.404812 °	38.406445 °
				-121.541792 °	-121.542932 °
DWR ID	DWR_RD0150_03_s_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.63	Rating **	M	Issue No.	103
LM End	7.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.404812 °	38.406445 °
				-121.541792 °	-121.542932 °
DWR ID	DWR_RD0150_03_s_2019_103				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	7.66	Rating **	M	Issue No.	105
LM End	7.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.405055 °	38.405055 °
				-121.542243 °	-121.542243 °
DWR ID	DWR_RD0150_03_s_2019_105				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

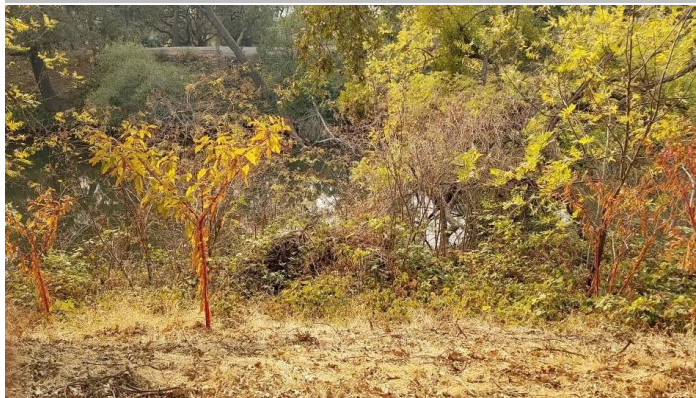
Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.70	Rating **	M	Issue No.	52	
LM End	7.70	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.405536 °		38.405536 °
				-121.542752 °		-121.542752 °
DWR ID	DWR_RD0150_03_f_2015_52					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Tree trunks and stumps need to be removed from levee slope.						

LM Start	7.70	Rating **	M	Issue No.	52 (cont)
LM End	7.70	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2019_RD0150_17_52_20190307_00037.jpg



View of the tree trunk on the waterside toe of the levee. Fall 2018

Photo 2 of 2 : SP_2019_RD0150_17_52_20190307_00038.jpg



View of the tree trunk on the waterside toe of the levee. Fall 2015

LM Start	7.74	Rating **	M	Issue No.	396
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.406098 °	38.406098 °
				-121.543028 °	-121.543028 °
DWR ID	DWR_RD0150_03_s_2015_396				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope instability caused by a fallen tree could not be seen due to vegetation during Spring 2019 inspection.					

Photo 1 of 1 : SP_2019_RD0150_17_396_20190307_00118.jpg



Slope instability was found on the waterside toe of the levee looking upstream. Spring 2015

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.75	Rating **	M	Issue No.	129
LM End	7.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.406298 °	38.406298 °
				-121.542939 °	-121.542939 °
DWR ID	DWR_RD0150_03_f_2017_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from the waterside shoulder of the levee, and fill any large void.					

Photo 1 of 1 : SP_2019_RD0150_17_129_20190307_00117.jpg



View of a tree stump on the waterside shoulder of the levee. Fall 2017

LM Start	7.78	Rating **	M	Issue No.	77
LM End	8.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406705 °	38.409085 °
				-121.542823 °	-121.540098 °
DWR ID	DWR_RD0150_03_s_2019_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.79	Rating **	M	Issue No.	75
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.406805 °	38.406805 °
				-121.542703 °	-121.542703 °
DWR ID	DWR_RD0150_03_f_2018_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree log needs to be removed from levee slope.					

Photo 1 of 1 : SP_2019_RD0150_17_75_20190307_00063.jpg



View of tree log on levee slope. Fall 2018

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.80	Rating **	M	Issue No.	78
LM End	8.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406992 °	38.409088 °
				-121.542622 °	-121.540105 °
DWR ID	DWR_RD0150_03_s_2019_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.85	Rating **	M	Issue No.	79
LM End	7.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.407563 °	38.408305 °
				-121.542198 °	-121.541617 °
DWR ID	DWR_RD0150_03_s_2019_79				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	7.99	Rating **	M	Issue No.	92
LM End	8.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.409010 °	38.409130 °
				-121.540513 °	-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_92_20190307_00077.jpg



View of slope instability on the waterside of the levee looking upstream during spring 2015 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	7.99	Rating **	M	Issue No.	92 (cont)	
LM End	8.02	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.409010 °		38.409130 °
				-121.540513 °		-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2019_RD0150_17_92_20190307_00078.jpg



Slope instability was found on the waterside of the levee looking downstream.

LM Start	8.02	Rating **	M	Issue No.	54
LM End	8.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409162 °	38.408037 °
				-121.539857 °	-121.534293 °
DWR ID	DWR_RD0150_03_s_2019_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.02	Rating **	M	Issue No.	43
LM End	8.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409162 °	38.414543 °
				-121.539857 °	-121.528982 °
DWR ID	DWR_RD0150_03_s_2019_43				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.02	Rating **	M	Issue No.	38
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409162 °	38.414195 °
				-121.539857 °	-121.526973 °
DWR ID	DWR_RD0150_03_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_38_20190415_00167.jpg



View of tall waterside vegetation. Spring 2019

LM Start	8.05	Rating **	A/W	Issue No.	122
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.409228 °	38.409233 °
				-121.539389 °	-121.539356 °
DWR ID	DWR_RD0150_03_f _ 2017_122				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.					
Site ID No:315					
Site Designation:LMA-142					
Repair Type: Erosion					
Rating: Serious					
Field Date:7/17/2017					
Notes: The erosion extends along most of the slope. Nearby WS banks are all very steep (1:1 or less). Serious because the erosion extend along the entire slope, but not into the crown. Fall 2018 DWR					
Inspector: Erosion not visible during this inspection but is marked.					

Photo 1 of 4 : SP_2019_RD0150_17_122_20190307_00108.jpg



View of waterside slope. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.05	Rating **	A/W	Issue No.	122 (cont)	
LM End	8.05	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.409228 °		38.409233 °
				-121.539389 °		-121.539356 °
DWR ID	DWR_RD0150_03_f _ 2017_122					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.						
Site ID No:315						
Site Designation:LMA-142						
Repair Type: Erosion						
Rating: Serious						
Field Date:7/17/2017						
Notes: The erosion extends along most of the slope. Nearby WS banks are all very steep (1:1 or less). Serious because the erosion extend along the entire slope, but not into the crown. Fall 2018 DWR						
Inspector: Erosion not visible during this inspection but is marked.						

Photo 2 of 4 : LEVAL_SP_2019_315_2183.jpg



LM Start	8.05	Rating **	A/W	Issue No.	122 (cont)
LM End	8.05	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : LEVAL_SP_2019_315_2186.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

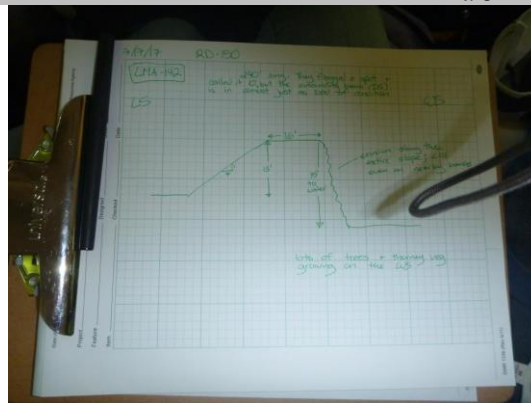
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.05	Rating **	A/W	Issue No.	122 (cont)
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.409228°	38.409233°	
			-121.539389°	-121.539356°	
DWR ID	DWR_RD0150_03_f_2017_122				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.</p> <p>Site ID No:315</p> <p>Site Designation:LMA-142</p> <p>Repair Type: Erosion</p> <p>Rating: Serious</p> <p>Field Date:7/17/2017</p> <p>Notes: The erosion extends along most of the slope. Nearby WS banks are all very steep (1:1 or less). Serious because the erosion extend along the entire slope, but not into the crown. Fall 2018 DWR Inspector: Erosion not visible during this inspection but is marked.</p>					

Photo 4 of 4 : LEVAL_SP_2019_315_2187.jpg



LM Start	8.22	Rating **	M	Issue No.	71
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.608722°	38.608722°	
			-121.386170°	-121.386170°	
DWR ID	DWR_RD0150_03_s_2019_71				
Comment Code					
<p>V1 : Control annual grass and weeds on the levee slopes and easements.</p>					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.26	Rating **	M	Issue No.	65
LM End	8.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.408213 °	38.408213 °
				-121.535911 °	-121.535911 °
DWR ID	DWR_RD0150_03_f_2015_65				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_65_20190307_00053.jpg



View of erosion on the waterside of the levee. Fall 2015

LM Start	8.31	Rating **	M	Issue No.	66
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407960 °	38.407960 °
				-121.534898 °	-121.534898 °
DWR ID	DWR_RD0150_03_s_2012_66				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_66_20190307_00054.jpg



View of erosion on the waterside of the levee. Spring 2015

LM Start	8.33	Rating **	M	Issue No.	67
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407958 °	38.407958 °
				-121.534583 °	-121.534583 °
DWR ID	DWR_RD0150_03_s_2012_67				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2019_RD0150_17_67_20190307_00055.jpg



View of the erosion on the waterside shoulder looking upstream during spring 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.33	Rating **	M	Issue No.	67 (cont)	
LM End	8.33	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.407958 °	38.407958 °	
				-121.534583 °	-121.534583 °	
DWR ID	DWR_RD0150_03_s_2012_67					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2019_RD0150_17_67_20190307_00056.jpg



Erosion was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	8.33	Rating **	M	Issue No.	70
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.407927 °	38.407927 °
				-121.534523 °	-121.534523 °
DWR ID	DWR_RD0150_03_s_2019_70				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.35	Rating **	A/W	Issue No.	123
LM End	8.35	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.407983 °	38.407992 °	
			-121.534322 °	-121.534289 °	
DWR ID	DWR_RD0150_03_f_2017_123				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long. See attached pages for photos.</p> <p>Site ID No:316</p> <p>Site Designation:LMA-143</p> <p>Repair Type: Erosion</p> <p>Rating: Serious</p> <p>Field Date:7/17/2017</p> <p>Notes: 3 large trees in/adjacent to site including a fallen tree in the middle of the erosion. Erosion on almost the whole slope, but doesn't cut into the crown. Serious because erosion cuts into levee significantly here.</p>					

Photo 1 of 3 : LEVAL_SP_2019_316_2180.jpg



LM Start	8.35	Rating **	A/W	Issue No.	123 (cont)
LM End	8.35	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2019_316_2181.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

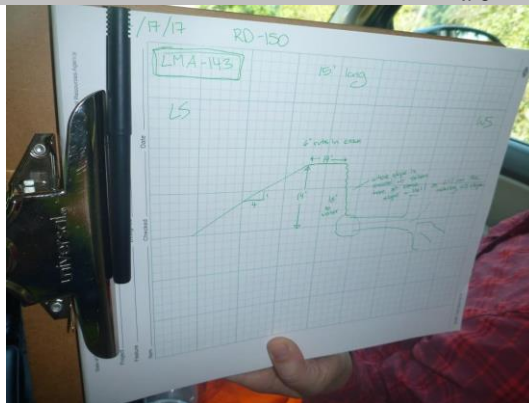
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.35	Rating **	A/W	Issue No.	123 (cont)
LM End	8.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.407983 °	38.407992 °
				-121.534322 °	-121.534289 °
DWR ID	DWR_RD0150_03_f _ 2017_123				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long. See attached pages for photos.					
Site ID No:316					
Site Designation:LMA-143					
Repair Type: Erosion					
Rating: Serious					
Field Date:7/17/2017					
Notes: 3 large trees in/adjacent to site including a fallen tree in the middle of the erosion. Erosion on almost the whole slope, but doesn't cut into the crown. Serious because erosion cuts into levee significantly here.					

Photo 3 of 3 : LEVAL_SP_2019_316_2182.jpg



LM Start	8.41	Rating **	M	Issue No.	41
LM End	9.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.408595 °	38.414322 °
				-121.533490 °	-121.527080 °
DWR ID	DWR_RD0150_03_s_2019_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_41_20190415_00168.jpg



View of tall landside vegetation. Spring 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.46	Rating **	N	Issue No.	90
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409220 °	38.409220 °
				-121.532801 °	-121.532801 °
DWR ID	DWR_RD0150_03_s_2012_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_90_20190307_00073.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	8.50	Rating **	N	Issue No.	55
LM End	8.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409559 °	38.409559 °
				-121.532356 °	-121.532356 °
DWR ID	DWR_RD0150_03_s_2012_55				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_55_20190307_00042.jpg

A tree stump was found on the waterside of the levee looking upstream.
Fall 2011

LM Start	8.76	Rating **	M	Issue No.	47
LM End	8.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.412105 °	38.412105 °
				-121.528977 °	-121.528977 °
DWR ID	DWR_RD0150_03_s_2019_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	8.87	Rating **	M	Issue No.	44
LM End	8.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413673 °	38.413673 °
				-121.529062 °	-121.529062 °
DWR ID	DWR_RD0150_03_s_2019_44				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.95	Rating **	C	Issue No.	128
LM End	8.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414831 °	38.414831 °
				-121.528982 °	-121.528982 °
DWR ID	DWR_RD0150_03_s_2018_128				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remainder of fallen tree remains on levee crown and shoulder.					

No Photos

LM Start	9.16	Rating **	M	Issue No.	33
LM End	9.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413798 °	38.412903 °
				-121.526620 °	-121.524472 °
DWR ID	DWR_RD0150_03_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	9.16	Rating **	M	Issue No.	29
LM End	9.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413798 °	38.412942 °	
			-121.526620 °	-121.524042 °	
DWR ID	DWR_RD0150_03_s_2019_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.16	Rating **	M	Issue No.	22
LM End	9.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413798 °	38.413468 °	
			-121.526620 °	-121.523175 °	
DWR ID	DWR_RD0150_03_s_2019_22				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	9.20	Rating **	C	Issue No.	97
LM End	9.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413388 °	38.413388 °	
			-121.526130 °	-121.526130 °	
DWR ID	DWR_RD0150_03_f_2018_97				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Grapevines block visibility and need to be cleared.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	9.21	Rating **	N	Issue No.	59
LM End	9.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413268 °	38.413268 °
				-121.525929 °	-121.525929 °
DWR ID	DWR_RD0150_03_s_2012_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0150_17_59_20190307_00046.jpg



A tree stump was found on the waterside of the levee looking upstream.
Fall 2011

LM Start	9.31	Rating **	U	Issue No.	73
LM End	9.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413095 °	38.413169 °
				-121.524402 °	-121.523707 °
DWR ID	DWR_RD0150_03_s_2012_73				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 3 : SP_2019_RD0150_17_73_20190307_00059.jpg



View of dense vegetation within levee easement. Fall 2018

LM Start	9.31	Rating **	U	Issue No.	73 (cont)
LM End	9.35	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2019_RD0150_17_73_20190307_00060.jpg



View of fallen tree on levee slope. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/12/2019 04/12/2019	Luz Dial

LM Start	9.31	Rating **	U	Issue No.	73 (cont)	
LM End	9.35	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.413095 °		38.413169 °
				-121.524402 °		-121.523707 °
DWR ID	DWR_RD0150_03_s_2012_73					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

Photo 3 of 3 : SP_2019_RD0150_17_73_20190307_00061.jpg



Thin/trim trees to allow for visibility of top 20' of waterward slope.

LM Start	9.34	Rating **	M	Issue No.	23
LM End	9.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413130 °	38.413130 °
				-121.523742 °	-121.523742 °
DWR ID	DWR_RD0150_03_s_2019_23				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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